Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/23/2021 09:13 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123651	-2	2.24	123456	2.24
Blue	F	SSC	125000	121924	-3	2.95	122161	2.8
Blue	E	FITC	13131	12686	-4	3.11	291	16.07
Blue	D	PE	24112	23703	-2	2.72	540	11.04
Blue	B	PerCP-Cy5-5	31295	30568	-3	3.7	1006	14.8
Blue	A	PE-Cy7	19939	19802	-1	5.79	530	30.54
Red	C	APC	42122	41117	-3	2.84	1727	11.53
Red	A	APC-Cy7	22340	21836	-3	3.22	819	11.82
Violet	B	V450	7410	7060	-5	3.71	429	12.56
Violet	A	V500	28118	27138	-4	3.31	679	10.15

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22807	2.42	565	-4	N/A	N/A	Pass
Blue	F	SSC	56858	1.94	519	7	N/A	N/A	Pass
Blue	E	FITC	53	57.33	486	-1	0.0416	197	Pass
Blue	D	PE	113	37.53	489	1	0.4148	314	Pass
Blue	B	PerCP-Cy5-5	186	36.49	586	0	0.0197	75	Pass
Blue	A	PE-Cy7	104	69.05	630	2	0.0196	0	Pass
Red	C	APC	399	24.25	580	4	0.0268	168	Pass
Red	A	APC-Cy7	182	28.05	556	5	0.0060	1052	Pass
Violet	B	V450	60	61.78	461	8	0.0576	1989	Pass
Violet	A	V500	98	35.15	473	8	0.0241	844	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/23/2021 09:13 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.43	-31.24	1.01
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.44
Red	14.34	13.60 - 20.40	N/A	N/A	29.81	29.99	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 9909

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments